

To: Wait, Monica[Wait.Monica@epa.gov]
From: Corbin, Mark
Sent: Mon 5/8/2017 8:27:03 PM
Subject: RE: PDP monitoring data



Looks consistent with what I have seen. It gets used occasionally but only for the most high profile chemicals.

We should bring it up at the Branch meeting tomorrow

mark

From: Wait, Monica
Sent: Monday, May 08, 2017 4:06 PM
To: Corbin, Mark <Corbin.Mark@epa.gov>
Subject: FW: PDP monitoring data

Hi Mark – Here's the RAPL email string about PDP data in DWAs. You probably want to start at the bottom and scroll up.

Monica

From: Louie-Juzwiak, Rosanna
Sent: Monday, May 08, 2017 2:30 PM
To: Orrick, Greg <Orrick.Greg@epa.gov>; White, Katrina <White.Katrina@epa.gov>
Cc: Housenger, Justin <Housenger.Justin@epa.gov>; Waleko, Garland <Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>
Subject: RE: PDP monitoring data

It looks like the location changed... I checked the one Rochelle sent me this morning, but now find the monitoring data here:

G:\Teams and Panels\TechTeams\Archived Water Quality-Exposure(WQTT)_Monitoring

Do you see the data, here?

From: Orrick, Greg
Sent: Monday, May 08, 2017 2:25 PM
To: White, Katrina <White.Katrina@epa.gov>; Louie-Juzwiak, Rosanna <Louie-Juzwiak.Rosanna@epa.gov>
Cc: Housenger, Justin <Housenger.Justin@epa.gov>; Waleko, Garland <Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>
Subject: RE: PDP monitoring data

I don't see a file with the combined data.

From: White, Katrina
Sent: Monday, May 08, 2017 7:16 AM
To: Louie-Juzwiak, Rosanna <Louie-Juzwiak.Rosanna@epa.gov>; Orrick, Greg <Orrick.Greg@epa.gov>
Cc: Housenger, Justin <Housenger.Justin@epa.gov>; Waleko, Garland <Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>
Subject: RE: PDP monitoring data

Looks like someone needs to update the WQTT data set with the 2012 and 2013 data. Then we will have it all in one place.

Katrina White

Risk Assessment Process Leader

Environmental Risk Branch IV

Environmental Fate & Effects Division

703-308-4536

White.katrina@epa.gov

From: Louie-Juzwiak, Rosanna
Sent: Monday, May 08, 2017 7:07 AM
To: Orrick, Greg <Orrick.Greg@epa.gov>; White, Katrina <White.Katrina@epa.gov>
Cc: Housenger, Justin <Housenger.Justin@epa.gov>; Waleko, Garland <Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>
Subject: RE: PDP monitoring data

All,

Rochelle provided this link that contains files with the combined data:

G:\Teams and Panels\TechTeams\Water Quality-Exposure(WQTT)_Monitoring

Rosanna

From: Orrick, Greg
Sent: Friday, May 05, 2017 10:37 AM
To: White, Katrina <White.Katrina@epa.gov>; OPP EFED ERB1 <OPP_EFED_ERB1@epa.gov>
Cc: Louie-Juzwiak, Rosanna <Louie-Juzwiak.Rosanna@epa.gov>; Housenger, Justin <Housenger.Justin@epa.gov>; Waleko, Garland <Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>
Subject: RE: PDP monitoring data

Hi Katrina, Thank you for the PDP data and example write-up. I'm sharing them with my branch. If anyone has combined the yearly data into one file, that would be useful as well.

Thanks again, -Greg

From: White, Katrina
Sent: Friday, May 05, 2017 8:01 AM
To: Orrick, Greg <Orrick.Greg@epa.gov>; Louie-Juzwiak, Rosanna <Louie-Juzwiak.Rosanna@epa.gov>; Housenger, Justin <Housenger.Justin@epa.gov>; Waleko, Garland <Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>
Subject: RE: PDP monitoring data

I am copying the PDP data to a folder at G:\Branch and IO Info\RAPLs\PDP data\

I am thinking I will move the PDP to a subfolder of monitoring when it is complete. I also included an example write up for describing the data (see below in blue). If we wanted to standardize databases to search, I would keep it to a few for most work. The ESA pilot documents have a good summary of the potential sources of data and databases that might be searched. I included diazinon's chapter if anyone is interested.

The Pesticide Data Program (PDP) is a national pesticide residue database program that examines pesticide residues in agricultural commodities and drinking water in the United States food supply to support pesticide dietary exposure assessments (USDA, 2013). Finished drinking water monitoring in California and New York began in 2001. In 2002, the program was expanded to Colorado, Kansas, and Texas. In 2004, the program began examining paired raw and finished drinking water samples sourced from surface water. The survey ended in 2013. The limit of detection ranged from 3.3 to 30 ng/L.

Diazinon was detected in 0.10% of surface water source water samples (six of 5,921 samples) at a maximum diazinon concentration of 0.133 µg/L (**TableD 5**). Detections occurred in 2001, 2002, 2003, 2007, and 2010. Most detections occurred in raw water; however, there were also detections in finished water.

Table D 5. Summary of Surface Water Sourced Drinking Water Monitoring Data from the PDP

Year	Detects	Number of Samples	Frequency of Detects	Diazinon Max Concentration (µg/L)	Detect(s) in
2001	1	283	0.35%	0.010	Finished Water
2002	1	657	0.15%	0.010	Finished Water
2003	1	794	0.13%	0.133	Finished Water

2004	0	239	0.00%	NA	Paired raw and finished water
2005	0	232	0.00%	NA	Paired raw and finished water
2006	0	368	0.00%	NA	Paired raw and finished water
2007	1	733	0.14%	0.0164	Paired raw and finished water
2008	1	619	0.16%	0.1	Paired raw and finished water
2009	0	612	0.00%	NA	Paired raw and finished water
2010	1	559	0.18%	0.059	Paired raw and finished water
2011	0	240	0.00%	NA	Paired raw and finished water
2012	0	485	0.00%	NA	Paired raw and finished water
2013	0	100	0.00%	NA	Paired raw and finished water
Total	6	5921	0.10%	0.133	Raw and finished water

Katrina White

Risk Assessment Process Leader

Environmental Risk Branch IV

Environmental Fate & Effects Division

703-308-4536

White.katrina@epa.gov

From: Orrick, Greg

Sent: Wednesday, May 03, 2017 6:06 PM

To: Louie-Juzwiak, Rosanna <Louie-Juzwiak.Rosanna@epa.gov>; Housenger, Justin <Housenger.Justin@epa.gov>; White, Katrina <White.Katrina@epa.gov>; Waleko, Garland <Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>

Subject: RE: PDP monitoring data

Thank you for the feedback, everybody!

From: Louie-Juzwiak, Rosanna

Sent: Wednesday, May 03, 2017 8:30 AM

To: Housenger, Justin <Housenger.Justin@epa.gov>; White, Katrina <White.Katrina@epa.gov>; Orrick, Greg <Orrick.Greg@epa.gov>; Waleko, Garland

<Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>

Subject: RE: PDP monitoring data

To add (sorry Greg, I missed the 'regularly' part) – ERB3 does not routinely look at PDP for monitoring.

We did for the triazines, and chlorpyrifos DWAs, and for some new uses or RR DWAs. But you're right, it's not consistent.

Rosanna

From: Housenger, Justin

Sent: Wednesday, May 03, 2017 8:21 AM

To: White, Katrina <White.Katrina@epa.gov>; Louie-Juzwiak, Rosanna <Louie-Juzwiak.Rosanna@epa.gov>; Orrick, Greg <Orrick.Greg@epa.gov>; Waleko, Garland <Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>

Subject: RE: PDP monitoring data

Mohammed also responded that for his two most recent DWAs to support PRA searched USGS water quality portal, CA DPR Surface Water Database and the open literature for surface water. For ground water, he indicated USGS data contain ground and surface water data and is a mixed bag of sources that should be separated before use.

So, I guess in his case, no mention of PDP.

From: White, Katrina

Sent: Wednesday, May 03, 2017 7:39 AM

To: Louie-Juzwiak, Rosanna <Louie-Juzwiak.Rosanna@epa.gov>; Orrick, Greg <Orrick.Greg@epa.gov>; Waleko, Garland <Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; Housenger, Justin <Housenger.Justin@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>

Subject: RE: PDP monitoring data

We looked at PDP for the ESA pilots but I do not see if in most assessments.

Katrina White

Risk Assessment Process Leader

Environmental Risk Branch IV

Environmental Fate & Effects Division

703-308-4536

White.katrina@epa.gov

From: Louie-Juzwiak, Rosanna

Sent: Tuesday, May 02, 2017 4:27 PM

To: Orrick, Greg <Orrick.Greg@epa.gov>; Waleko, Garland <Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; White, Katrina <White.Katrina@epa.gov>; Housenger, Justin <Housenger.Justin@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>

Subject: RE: PDP monitoring data

I believe we have searched PDP, and other sources, for any monitoring.

I'd say we tend to do a more extensive search for higher profile chemicals.

From: Orrick, Greg

Sent: Tuesday, May 02, 2017 4:24 PM

To: Waleko, Garland <Waleko.Garland@epa.gov>; Arnold, Elyssa <Arnold.Elyssa@epa.gov>; Louie-Juzwiak, Rosanna <Louie-Juzwiak.Rosanna@epa.gov>; White, Katrina <White.Katrina@epa.gov>; Housenger, Justin <Housenger.Justin@epa.gov>; Wait, Monica <Wait.Monica@epa.gov>

Subject: PDP monitoring data

Hi RAPLs,

Do your branches regularly search PDP for water monitoring data when preparing DWAs? It is my understanding that water monitoring data sources are not uniformly searched across EFED, having no policy on the standard set of sources to search for DWAs. But Sujatha asked that I ask you about your branch's approach.

Thank you,

Greg

Gregory Orrick | Environmental Scientist | U.S. EPA, Office of Pesticide Programs | Phone:
703.305.6140